

METRONext

Vision & Moving Forward Plans

Board Workshop

December 11, 2018

DRAFT 12.11.2018 - For Preliminary Discussion Only



Disclaimer

This presentation is being provided solely for discussion purposes by the Board of Directors of the Metropolitan Transit Authority of Harris County, Texas (METRO) during a workshop session on December 11, 2018. It includes draft alternative transit plans, which utilize a range of modes of transportation based on different funding scenarios, including a draft long-term plan that provides a vision of future transit in the service area assuming unconstrained financial resources. The draft plans are based on various financial estimates, economic forecasts and other assumptions, which are subject to change. As a result, the final proposed plan could differ materially. Additionally, any proposed plan or project conducted by METRO is subject to certain approvals and authorization, including approval by the METRO Board of Directors.

METRO makes no claim, promise or guarantee of any kind, including with respect to the feasibility or future implementation of any proposed plans or projects discussed herein.



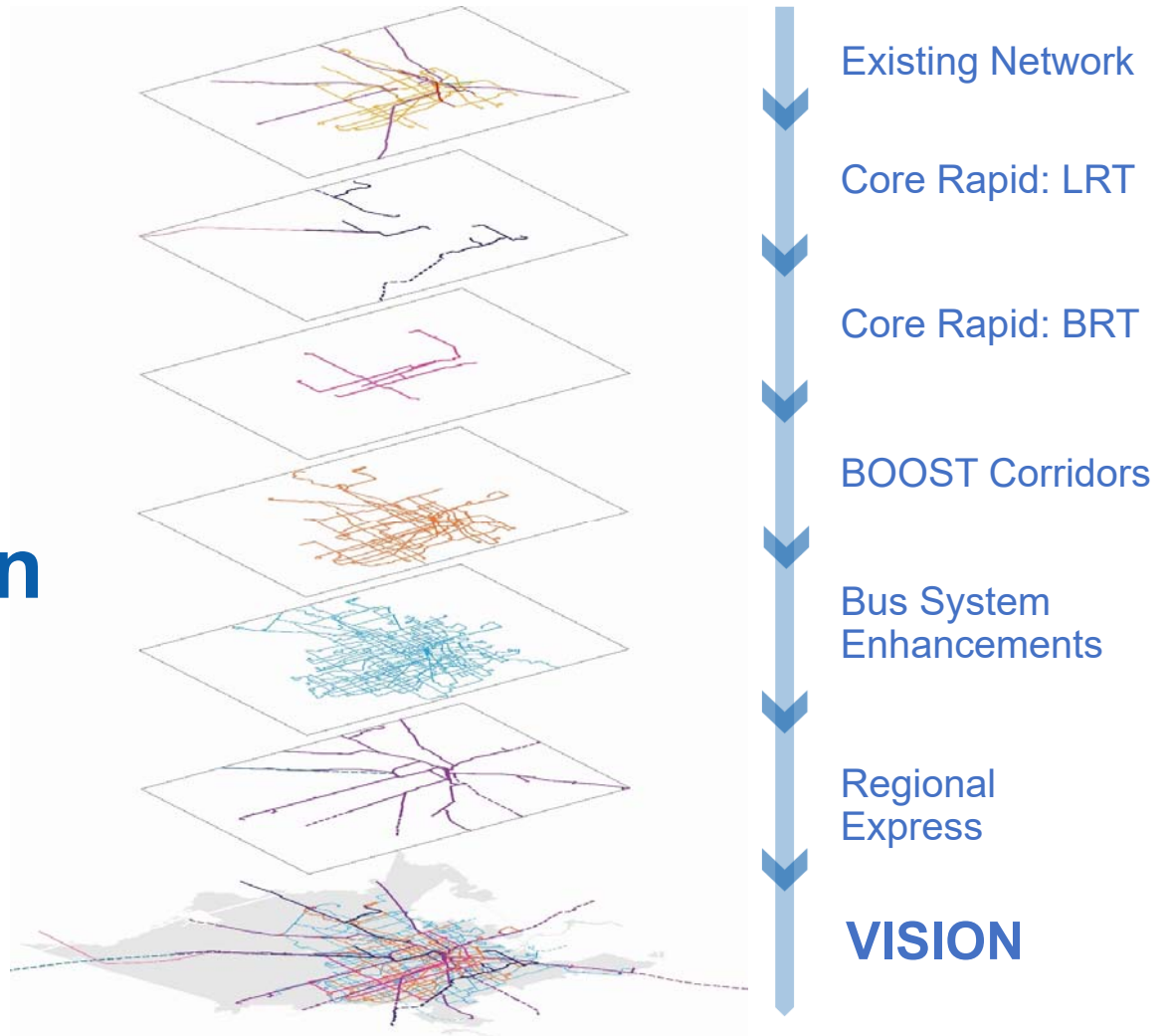
Discussion:

- › Moving Forward Plan A Plus
- › Next Steps

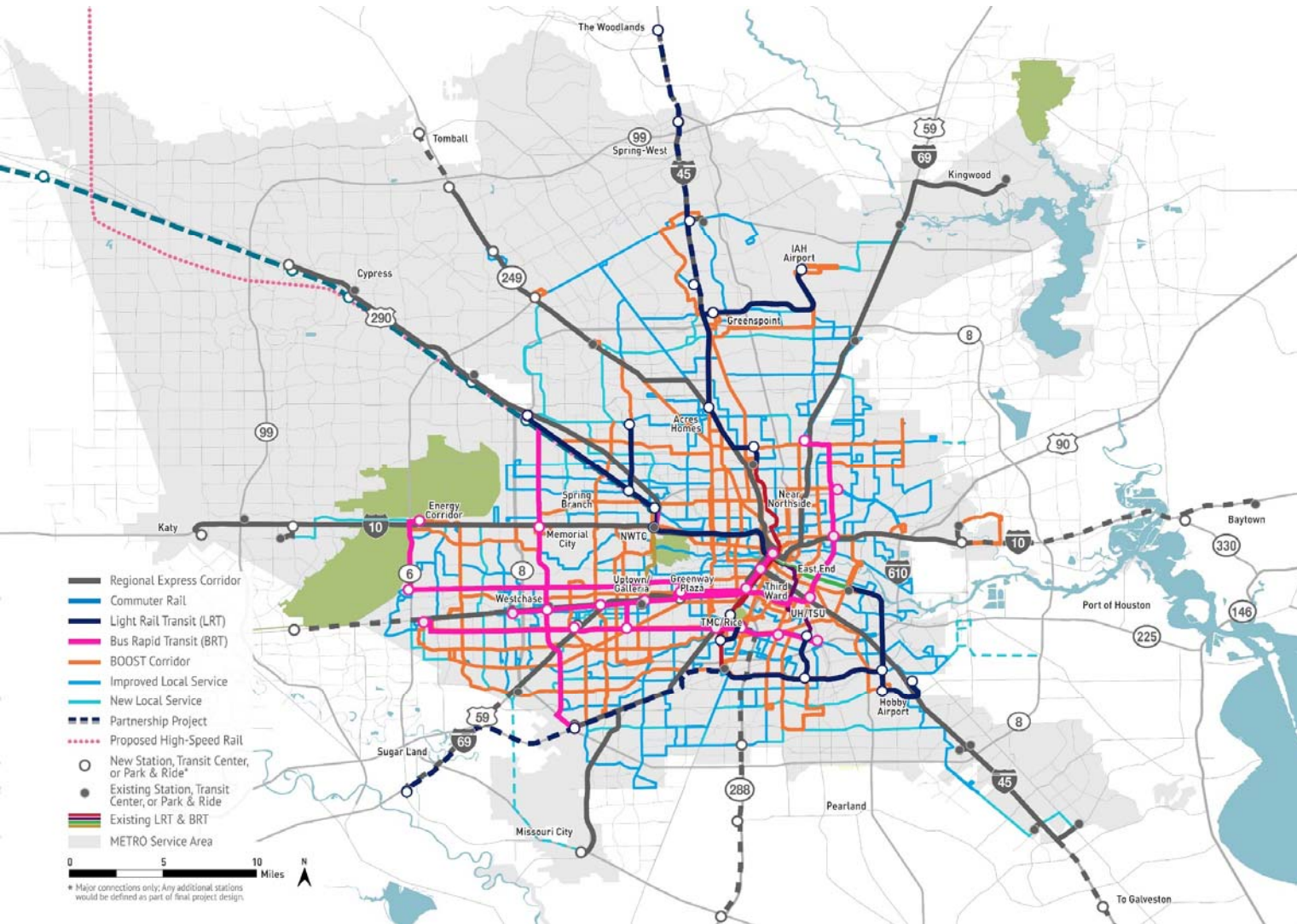
Board Goals and Priorities



Building the METRONext Long-Term Vision







METRONext Vision Plan






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Vision Plan Investments

Major Investments:

200 mi		Two-way HOV
100 mi		Extended LRT lines
90 mi		New BRT system
500 mi		BOOST Network

Fleet & Operational Investments:

211		New light rail vehicles
448		New buses
33		BOOST corridors

Service & Access Improvements:



**RESILIENCY
PLANNING**



NEW SERVICE



**PARTNERSHIP
PROJECTS**



**UNIVERSAL
ACCESSIBILITY**



**IMPROVED BUS
SERVICE AND
BUS STOPS**

METRONext

Moving Forward Plans



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Key Assumptions & Conclusion

Key Financial Assumptions:

- No increase in sales tax rate (remains 8.25%) and no property tax increase
- Net Sales Tax Revenues available to METRO are based on the annual growth rates (FY2019 – FY2040 and beyond) formulated by Dr. Robert W. Gilmer, University of Houston – C.T. Bauer College of Business as of June 2018
- General Mobility Program continues through 2040 and beyond
- Bus and Light Rail infrastructure projects are financed using 45% debt/55% grant funds
- Bus system enhancements and optimization projects are financed using debt and local funds
- Forecasted expenditures include operating and maintenance costs for all METRONext projects
- METRO's Board approved cash reserve requirements (25% of operating expenses plus \$10MM) are met

Moving Forward Plan A

This map illustrates the METRO Service Area in Houston, Texas, highlighting various transportation corridors and proposed transit investments. The map includes major highways such as I-69, I-45, I-10, I-67, and US-290. Key locations like Springwoods, Louetta, Cypress, Katy Mills, Energy Corridor, Memorial City, NWTC, Uptown/Galleria, Greenway Plaza, TMC/Rice, East End, Third Ward, UH/TSU, Hobby Airport, Pearland, Missouri City, Sugar Land, Westchase, Spring Branch, Acres Homes, Greenspoint, IAH Airport, Kingwood, Baytown, Port of Houston, and To Galveston are labeled. The map also shows existing and programmed transit lines, including Light Rail Transit (LRT) and Bus Rapid Transit (BRT). Proposed investments include Regional Express Corridors, LRT, BRT, BOOST Corridors, Potential Partnership RE, Potential Partnership LRT, Proposed High-Speed Rail, Community Connectors, New or Improved Transit Center/Park & Ride, Vanpool Lots, and LRT & BRT End of Line. A legend on the left side provides details for each investment type. A scale bar at the bottom indicates distances from 0 to 10 miles.

Proposed Investments

- Regional Express Corridor
- Light Rail Transit (LRT)
- Bus Rapid Transit (BRT)
- BOOST Corridor
- Potential Partnership RE
- Potential Partnership LRT
- Proposed High-Speed Rail
- Community Connector
- New or Improved Transit Center/Park & Ride
- Vanpool Lot
- LRT & BRT End of Line

Existing/Programmed

- Station, Transit Center, or Park & Ride
- LRT & BRT Lines
- METRO Service Area

0 5 10 Miles

- › Red Line South to Hobby Airport
- › Purple Line Hobby Airport
- › Red Line North to Tidwell

- › University Corridor to Westchase & Kashmere
- › Inner Katy Corridor to NWTC, HSR Terminal & Uptown
- › Uptown BRT Extension to Gulfton

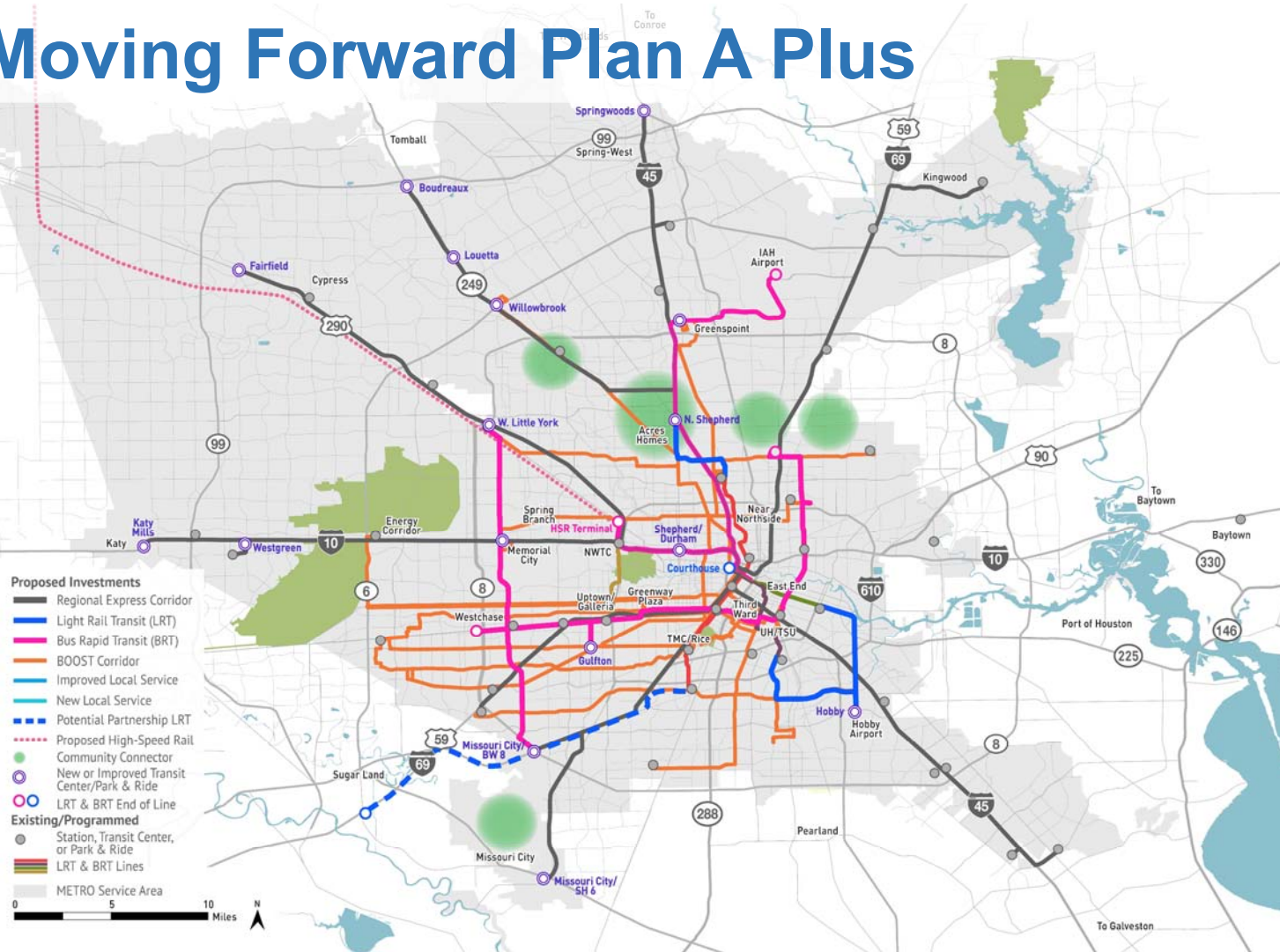
- › IH 45 Express –Downtown to IAH
- › Partnership investments in Two-Way HOV operations

(Bus Operations Optimized System Treatments)

- › 10 Corridors
- › Westheimer Signature Bus Service

- › Expanded hours / better frequency
- › Additional coverage
- › Universal Accessibility

Moving Forward Plan A Plus



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LRT Extensions

- › Green Line to Hobby Airport
- › Purple Line to Hobby Airport
- › Red Line to N. Shepherd
- › Green/Purple Line to Courthouse

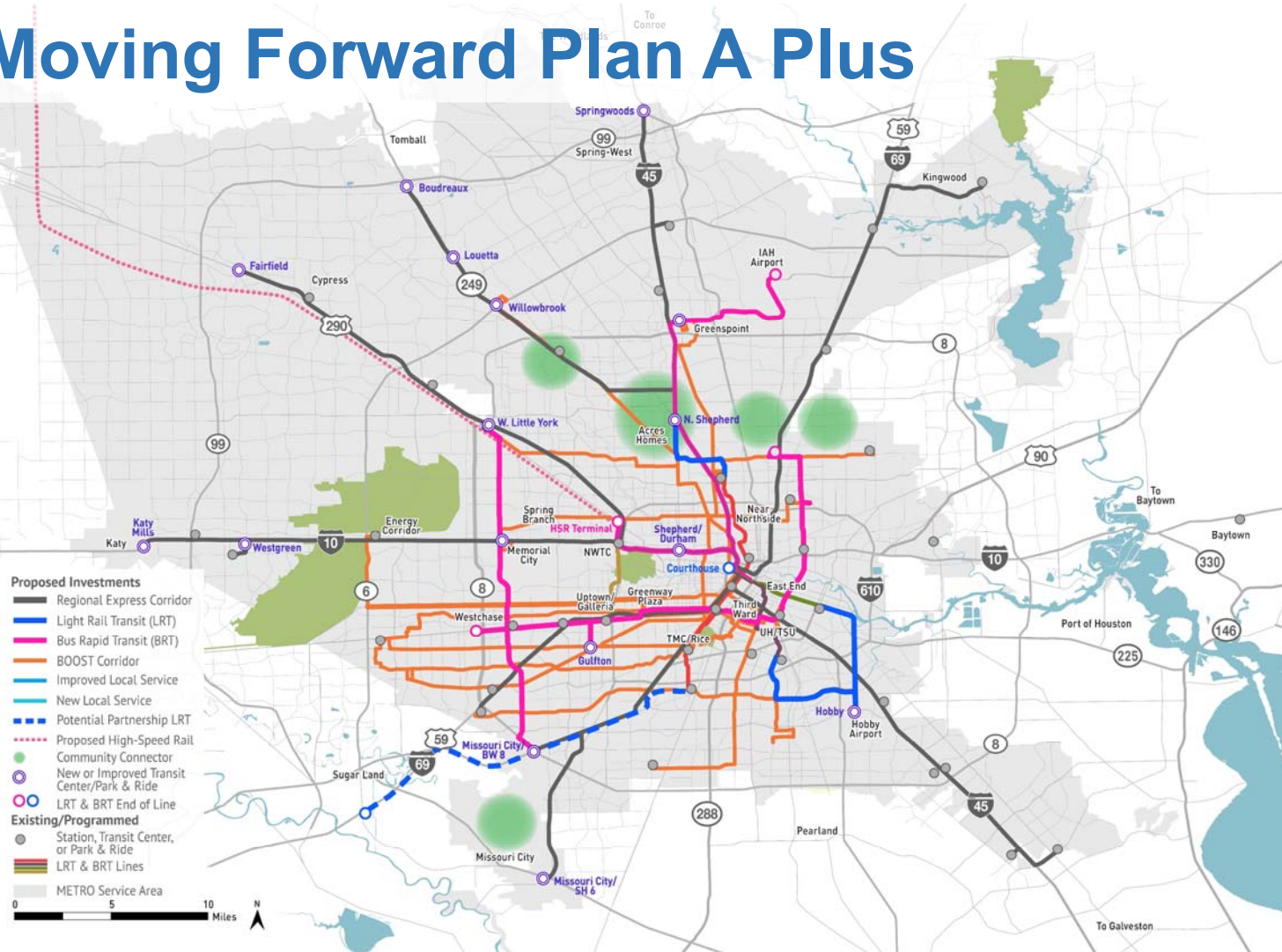
BRT System

- › IH 45 North to IAH & Greenspoint
- › Inner Katy Corridor to NWTC / HSR / Uptown
- › University Corridor to Westchase & Tidwell
- › Uptown BRT Extension to Gulfon
- › Gessner Corridor

Regional Express Network

- › US 90A Two-Way HOV
- › IH 10 West Two-Way HOV
- › IH 45 North Two-Way HOV
- › IH 69/US 59 Two-Way HOV (Edloe to Downtown)
- › SH 249 Corridor & Facilities to Boudreaux
- › 4 Off-Peak Direction Diamond Lane Corridors

Moving Forward Plan A Plus



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BOOST & Signature Service

- › 14 Corridors
- › Westheimer Signature Bus Service

System Enhancements








- › Systemwide route improvements including 3 new Community Connectors
- › Downtown, Midtown & TMC transit improvements
- › First / Last Mile
- › Universal Accessibility

Facilities

- › 7 New / Improved Transit Centers
- › 8 New / Improved Park & Rides

Plan A Plus Investments

Major Investments:

110 mi		Regional Express Network	15		New or Improved Park & Rides, Transit Centers
20 mi		Extended LRT lines	3		Community Connectors
75 mi		New BRT system	25%		Increase in Bus Service
260 mi		BOOST & Signature			

Service & Access Improvements:



Moving Forward Plan A Plus: 2040 Results



103%

increase in ridership
compared to current
year



632,000

passenger trips
carried on the METRO
system every day



134,000

fewer car trips on the
road each day



1,000,000

fewer vehicle
miles traveled
every day

More Connections

More Transit, More Places

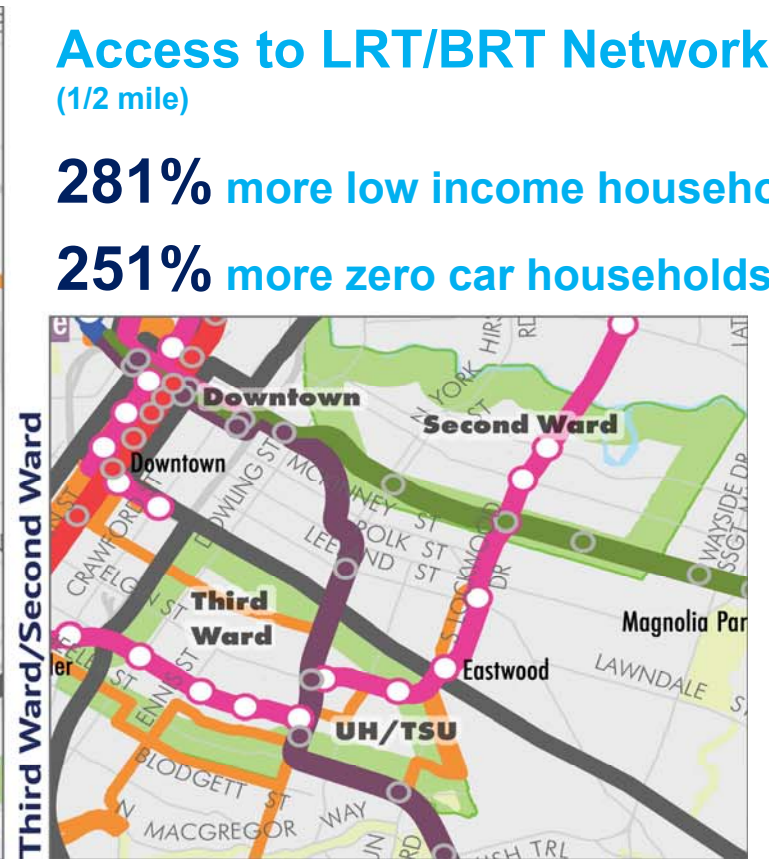
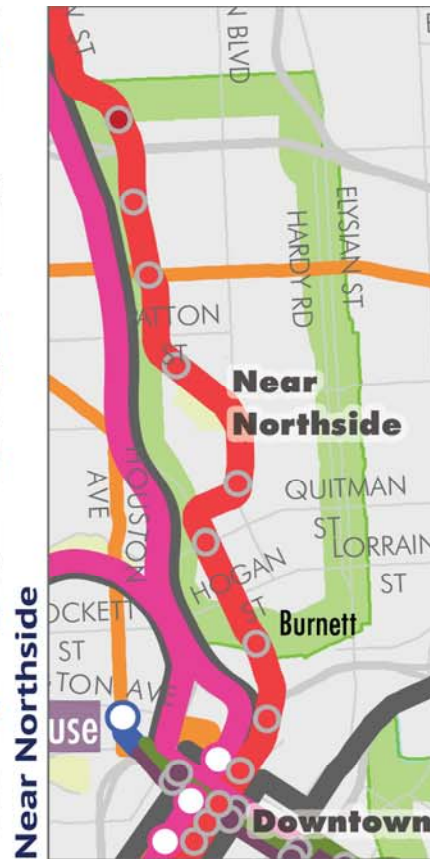


**Access to LRT/BRT
Network**
(1/2 mile)

248% more people
61% more jobs

More Connections

Better Service to Complete Communities



Access to LRT/BRT Network
(1/2 mile)

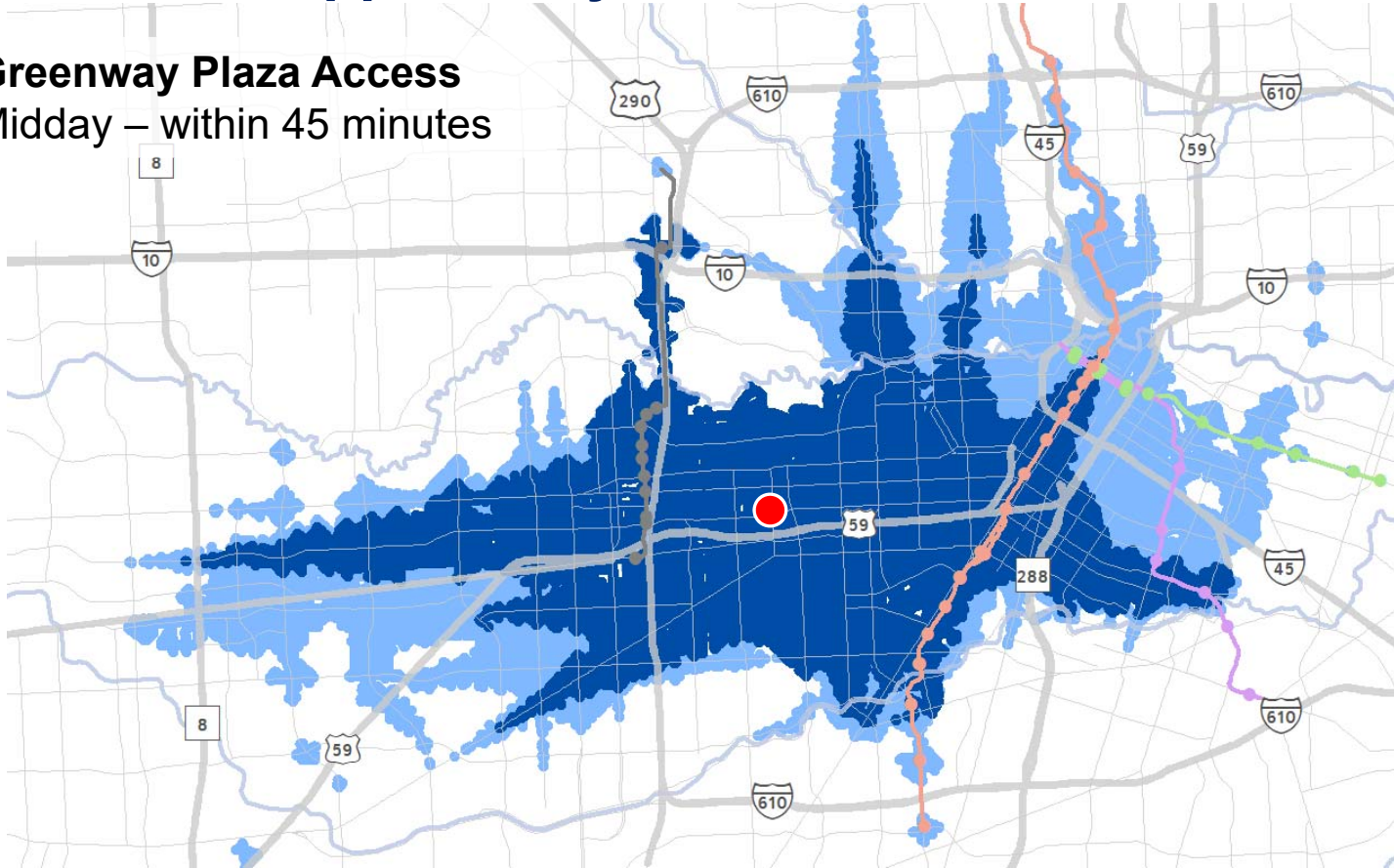
281% more low income households

251% more zero car households

More Connections

Access to Opportunity

Greenway Plaza Access
Midday – within 45 minutes



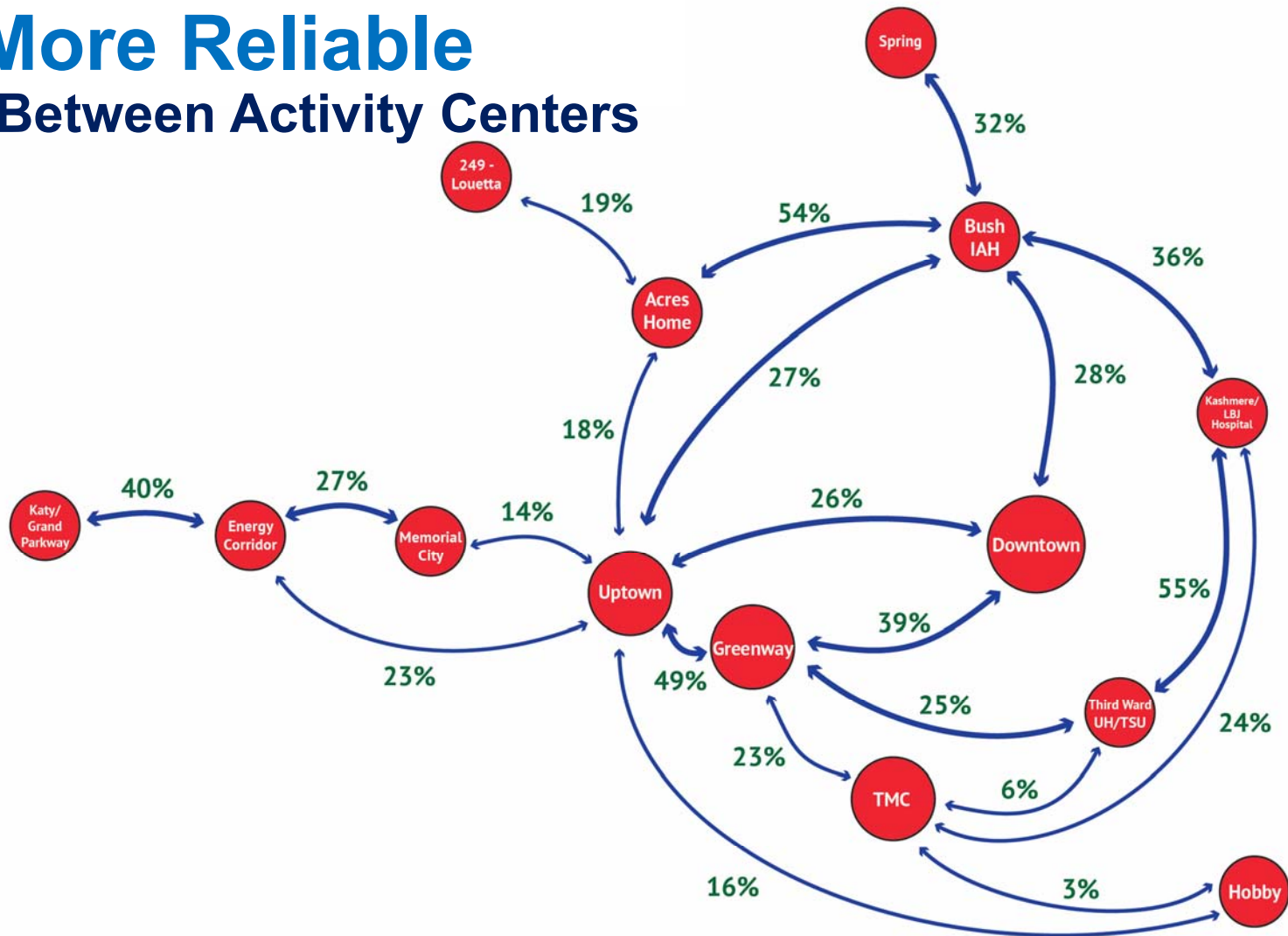
Plan A Plus
provides

82% more people
and

66% more jobs
with convenient all
day access to/from
Greenway Plaza

Faster & More Reliable

Shorter Trips Between Activity Centers



Travel Time
Improvements

Better Customer Experience



Innovative Solutions



Public Involvement Plan – Phase 2

- Update to METRO Employees
- Update to Phase 1 Participants
- Engage Elected Officials
- Convene Community Involvement Committee
- Engage Technical Advisory Committee
- Host Public Meetings
- Host Virtual Online Public Meetings
- Host Telephone Town Halls
- Employ Social / Traditional Media
- Activate Speakers Bureau
- Ongoing Community Events / Meetings

